

SPECIFICATION OF PRODUCT

For Lithium-ion Battery Pack

46.8V 17.5Ah(307.2Wh)

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46.8V 17.5AH (819Wh)

Lithium-ion Battery Pack Specification

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1、 Product Introduction

1.1 Specifications

NO	Item	SPEC	Remark
1	Rated Capacity	17.5AH	
2	Rated Voltage	DC46.8	
3	Rated Energy	819wh	
4	Operating Voltage	36.4V~54.6V	2.8V~4.2V
5	Max. Charge Current	5A	
6	Max. Discharge Current	20A	
7	Peak Current	50A	30ms
8	Ip Grade	IP54	
9	Discharge Temp	-10°C~55°C	
10	Charge Temp	0°C~55°C	
11	Dimension	L290*W95*H70 (mm)	
12	Weight	3.7Kg	
13	Internal Resistance	≤60mΩ	
14	Cycle Life	2000	25°C
15	Case Material	PVC	





1、Product introduction

1.2 Model

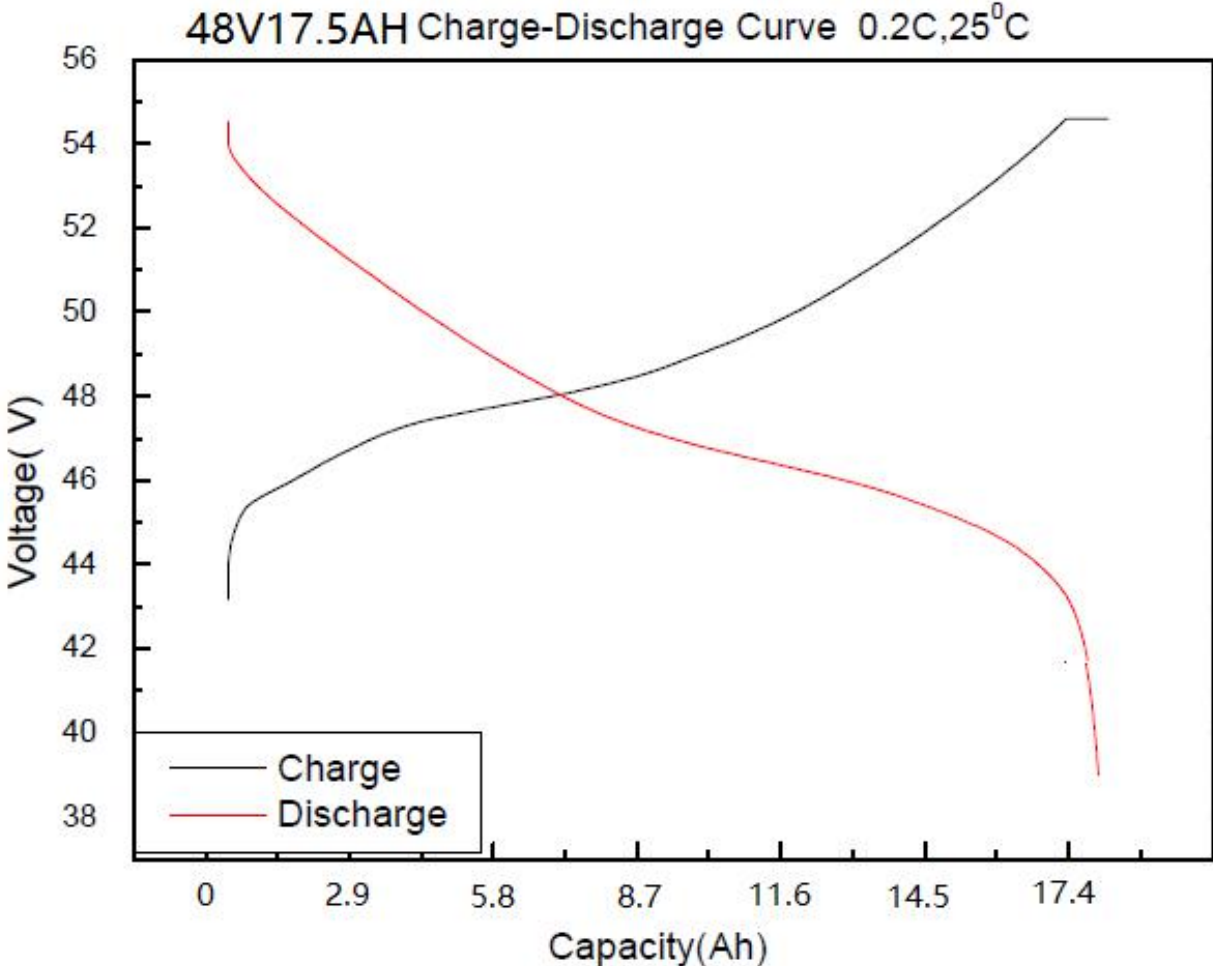


1、Product introduction

1.3 Interface Command

Item	SPEC	Interface	Refer
CHARGE	18AWG silicone wire 300mm	XT30-F	 A close-up photograph of a yellow XT30-F connector. The connector is rectangular with a notch on one side and a small tab on the other. It is connected to two wires: a black wire and a red wire. The red wire has a red label with the number '30' printed on it.
DISCHARGE	14AWG silicone wire 300mm	XT60-F	 A close-up photograph of a yellow XT60-F connector. The connector is rectangular with a notch on one side and a small tab on the other. It is connected to two wires: a black wire and a red wire. The red wire has a red label with the number '60' printed on it.

2、Characteristic Curve



3、 BMS

BMS Description

NO	Item	MIN	MAX	Type	Unit
1	Operating Voltage	36.4	54.6	/	V
2	Continuous Charging Current	1	5	/	A
3	Continuous Discharging Current	1	20	/	A
4	Discharging Over Current	48	52	/	A
5	Operating Temp	-10	70	/	°C
6	Operating Humidit	10	85	/	%
7	Internal Resistance	<10			mΩ
8	Normal Operating Consumption	<30			mA
9	Static Total Consumption		100	50	uA

4、Cautions

- (1) Do not immerse the battery in water, and keep the battery in a cool dry surrounding if it stands by.
- (2) Do not use or leave the battery at high temperature as fire or heater. Otherwise, it can overheat or fire or its performance will be degenerate and its service life will be decreased.
- (3) Do not reverse the position and negative terminals.
- (4) Do not connect the battery electrodes to an electrical outlet.
- (5) Do not short circuit. Otherwise it will cause serious damage of the battery.
- (6) Do not transport or store the battery together with metal objects such as hairpins, necklaces, etc.
- (7) Do not use the battery in a location where static electricity and magnetic field is great, otherwise, the safety devices may be damaged, causing hidden trouble of safety. Turn off the switch on its base.
- (8) Please use special lithium charger.
- (9) It should be noted that the cell would be possible to be at a over-discharged state by its self-discharge characteristics in case the cell is not used for long time. In order to prevent over-discharging, the cell shall be charged periodically to maintain about 52V(Recommended 3 months one cycle). Over-discharging may causes loss of cell performance, characteristics, or battery functions.
- (10) Do not disassemble battery.

5、 Product Liability

Company is not responsible for the incident caused by not obeying the specifications. Before using the battery, you should read the specifications, usage instruction and some attentions carefully to learn its application method and areas. If the phenomenon such as error using method or wrong circuit connection, or input power data, working index are inconsistent with the specifications, cause damage to product, load and its accessories, we are not responsible for it.

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